



**DEAN CLOSE**  
FOUNDATION

<b>Job Title</b>	Teacher of Physics & Engineering
<b>Reporting to</b>	Head of Science
<b>Department</b>	Teaching
<b>Hours of work</b>	1.0 FTE
<b>Start Date</b>	1 <sup>st</sup> September 2026
<b>FTE Salary</b>	Dependent on qualifications and experience
<b>Foundation Area</b>	Dean Close Kingham Hill School
<b>Location</b>	Kingham OX7 6TH

<b>Purpose of Job</b>	To teach Physics and Engineering BTEC up to and including KS5, to the highest possible standard as required by the School's curriculum policy and, where relevant, external exam specifications.
<b>Main Duties and Responsibilities</b>	<p>Strategic Leadership &amp; Vision</p> <ul style="list-style-type: none"><li>● Contribute to a clear, ambitious vision for Physics aligned with whole-school priorities</li><li>● Support curriculum development across KS3–KS5, with awareness of progression to A Level</li><li>● Promote Physics &amp; Engineering as subjects that develop curiosity, analytical thinking and real-world problem solving</li><li>● Engage positively in departmental planning, review and improvement</li></ul> <p>Curriculum &amp; Pedagogical Expertise</p> <ul style="list-style-type: none"><li>● Strong subject knowledge across mechanics, electricity, waves, fields, particles and practical physics</li><li>● Secure understanding of GCSE and A Level Physics specifications and assessment requirements</li><li>● Ability to teach conceptual understanding alongside mathematical application</li><li>● Skilled in planning practical investigations that develop scientific thinking and enquiry</li><li>● (Desirable) Experience teaching vocational engineering content within Pearson Edexcel BTEC Engineering</li></ul> <p>Technical &amp; Practical Proficiency</p> <ul style="list-style-type: none"><li>● High level of competence in laboratory practice, apparatus setup and experimental technique</li><li>● Confidence supporting pupils with data collection, analysis and evaluation of practical work</li><li>● Ability to model precise scientific method and safe working practices</li><li>● (Desirable) Ability to connect Physics principles to engineering applications and systems</li></ul>



#### Health, Safety & Compliance

- Thorough understanding of laboratory health & safety and risk assessment procedures
- Familiarity with guidance from CLEAPSS
- Ensure safe use, storage and maintenance of equipment and materials
- Accurate record-keeping for required practical and assessment evidence

#### Staff Leadership & Development

- Work collaboratively within the Science department to share resources and best practice
- Engage positively with professional development and subject-specific training
- Contribute to departmental discussions on pedagogy and pupil progress

#### Pupil Engagement & Outcomes

- Ability to inspire pupils with enthusiasm for Physics and scientific discovery
- Track record (or clear potential) to secure strong academic outcomes at GCSE and A Level
- Effective differentiation to support and challenge pupils of all abilities
- Encourage pupils to consider progression into STEM pathways, including engineering and physical sciences

#### Innovation, Partnerships & Enrichment

- Contribute to STEM enrichment such as clubs, competitions, trips and visiting speakers
- Promote cross-curricular links with Mathematics, Design Technology and Engineering
- Use real-world contexts and current scientific developments to enrich learning

#### Organisation & Resource Management

- Effective lesson planning, assessment tracking and feedback
- Careful management of laboratory resources and equipment
- Maintain organised teaching spaces that promote safe and effective learning

#### Communication & Stakeholder Engagement

- Clear communication with pupils, colleagues and parents regarding progress and support
- Contribution to open events, enrichment activities and wider school life
- Positive engagement with pastoral and boarding teams where appropriate

#### Personal Qualities

- Enthusiasm, curiosity and a passion for scientific learning
- Professional reliability, integrity and strong classroom presence
- Reflective, adaptable and solution-focused approach
- Commitment to the ethos and values of Dean Close Kingham Hill School



	<b>Digital &amp; Future-Facing Skills</b> <ul style="list-style-type: none"> <li>● Confident use of data logging, simulations and digital tools to enhance practical learning</li> <li>● Awareness of emerging developments in Physics and engineering applications</li> <li>● Willingness to integrate technology to support modelling, analysis and presentation of scientific ideas</li> </ul>
<b>Line management duties and responsibilities</b>	<ul style="list-style-type: none"> <li>● This role has no direct reports</li> </ul>
<b>Financial Responsibility</b>	<ul style="list-style-type: none"> <li>● This role holds no financial responsibility.</li> </ul>

<b>Person Specification</b>	
<b>ESSENTIAL</b>	<b>DESIRABLE</b>
<u><b>Qualifications</b></u> <ul style="list-style-type: none"> <li>● Degree in Physics/Engineering or a closely related field</li> <li>● Driving License</li> </ul>	<ul style="list-style-type: none"> <li>● Qualified Teacher Status (QTS) or equivalent teaching qualification.</li> <li>● Postgraduate qualification in Education (e.g., PGCE, PGDE) or a Master's/PhD in SUBJECT or a related field.</li> <li>● First Aid</li> </ul>
<u><b>Experience</b></u> <ul style="list-style-type: none"> <li>● Strong subject knowledge in Physics up to A Level</li> <li>● Proven ability to deliver engaging, high-quality language lessons across Key Stages 3–5</li> <li>● Excellent understanding of GCSE and A Level examination requirements</li> <li>● Effective classroom management and positive behaviour strategies</li> <li>● Experience using formative and summative assessment to drive progress</li> <li>● Commitment to high academic standards and student achievement</li> <li>● Strong organisational and communication skills</li> <li>● Willingness to contribute to co-curricular activities and wider school life, including the boarding community</li> </ul>	<ul style="list-style-type: none"> <li>● Experience of teaching BTEC Engineering</li> </ul>



<p><b><u>Skills</u></b></p> <ul style="list-style-type: none"> <li>● Be loyal, honest, trustworthy and reliable</li> <li>● Enthusiastic, highly motivated and well-organised</li> <li>● Confident, proactive with a helpful and flexible approach</li> <li>● Able to demonstrate initiative and creativity</li> <li>● Ability to work well in a team and alone, with minimum supervision, maintaining a professional and enthusiastic approach</li> <li>● Ability to communicate effectively with all colleagues</li> <li>● Strong desire to improve knowledge</li> </ul>	
<p><b><u>Personal qualities, attitude, and behaviours</u></b></p> <ul style="list-style-type: none"> <li>● Work towards and support the Dean Close Foundation stones/values of; <ul style="list-style-type: none"> <li>○ love</li> <li>○ courage</li> <li>○ contribution, allowing those around you to flourish.</li> </ul> </li> <li>● Demonstrate and develop the following skills: <ul style="list-style-type: none"> <li>○ Critical Thinking</li> <li>○ Compassion</li> <li>○ Creativity</li> <li>○ Collaboration</li> <li>○ Communication</li> </ul> </li> <li>● Support and contribute to the Foundation’s responsibility for safeguarding pupils.</li> <li>● Work within the Foundation’s health and safety policy to ensure a safe working environment for staff, students, and visitors.</li> <li>● Promote equality of opportunity for all students and staff, both current and prospective.</li> </ul>	

The post holder may be required to perform duties other than those given in the job description for the post from time to time. The particular duties and responsibilities attached to posts may vary from time to time without changing the general character of the duties or the level of responsibility entailed.

Applicants must complete a Dean Close Foundation application form in order to be considered.

The Dean Close Foundation is committed to safeguarding and promoting the welfare of children. Applicants must be willing to undergo child protection screening appropriate to the post, including checks with past employers and the Disclosure and Barring Service.

